Title (en)
METHOD OF REPLACING OBJECTS IN A VIDEO STREAM AND COMPUTER PROGRAM

Title (de)
VERFAHREN ZUM ERSETZEN VON OBJEKTEN IN EINEM VIDEOSTROM UND COMPUTERPROGRAMM

Title (fr)
PROCÉDÉS DE REMPLACEMENT D'OBJETS DANS UN FLUX VIDÉO ET PROGRAMME D'ORDINATEUR

Publication
EP 2965506 A1 20160113 (EN)

Application
EP 13716360 A 20130308

Priority
IB 2013000318 W 20130308

Abstract (en)
[origin: WO2014135910A1] The invention relates to a method for replacing objects in a video stream. A stereoscopic view of the field is created. It serves to measure the distance from the camera and to determine the foreground, background and occluding objects. The stereoscopic view can be provided by a 3D camera or it can be constructed using the signal coming from a single camera or more. The texture of the objects to be replaced can be static or dynamic. The method does not require any particular equipment to track the camera position and it can be used for live content as well as archived material. The invention takes advantage of the source material to be replaced in the particular case when the object to be replaced is filled electronically.

IPC 8 full level
H04N 5/272 (2006.01); H04N 13/239 (2018.01)

CPC (source: EP RU US)
G06T 7/11 (2016.12 - EP US); G06T 7/174 (2016.12 - EP US); G06T 7/194 (2016.12 - EP US); G06T 7/593 (2016.12 - EP US); G06T 15/405 (2013.01 - US); H04N 5/272 (2013.01 - US); H04N 5/2723 (2013.01 - EP US); H04N 13/239 (2018.04 - EP RU US); G06T 2200/04 (2013.01 - US); G06T 2207/10021 (2013.01 - US); G06T 2207/10028 (2013.01 - US); G06T 2207/20221 (2013.01 - US); G06T 2207/30244 (2013.01 - US)

Citation (search report)
See references of WO 2014135910A1

Citation (examination)
JAESEUNG KO ET AL: "2D-to-3D stereoscopic conversion: depth-map estimation in a 2D single-view image", PROCEEDINGS OF SPIE, vol. 6696, 12 September 2007 (2007-09-12), pages 66962A - 66962A-9, XP055177276, ISSN: 0277-786X, DOI: 10.1117/12.736131

Cited by
GB2586389B

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014135910 A1 20140912; CN 105191287 A 20151223; CN 105191287 B 20190621; EP 2965506 A1 20160113; EP 3518528 A1 20190731; RU 2612378 C1 20170309; US 10205889 B2 20190212; US 2016028968 A1 20160128

DOCDB simple family (application)
IB 2013000318 W 20130308; CN 201380074265 A 20130308; EP 13716360 A 20130308; EP 19156073 A 20130308; RU 2015139234 A 20130308; US 201314773614 A 20130308